

7-20-06

SW/1649 \$

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

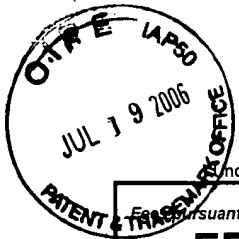
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| | | | |
|---|---|------------------------|--------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | | Application Number | 09/611,257 |
| | | Filing Date | July 6, 2000 |
| | | First Named Inventor | Terrance P. SNUTCH |
| | | Art Unit | 1649 |
| | | Examiner Name | D. KOLKER |
| Total Number of Pages in This Submission | 8 | Attorney Docket Number | 381092000721 |

| ENCLOSURES (Check all that apply) | | |
|---|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form (1 page + duplicate for fee processing) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO/SB/08a/b (1 page + duplicate) Copy of 1 Reference Return Receipt Postcard |
| <div>Remarks</div> <p>Customer No. 25225</p> | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|-------------------------|----------|--------|
| Firm Name | MORRISON & FOERSTER LLP | | |
| Signature | | | |
| Printed name | Kate H. Murashige | | |
| Date | July 18, 2006 | Reg. No. | 29,959 |

| | |
|---|----------------------------------|
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 814074036 US, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. | |
| Dated: July 18, 2006 | Signature: (Marian Christopher) |



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| | | | |
|---|--|--------------------------|--------------------|
| FEE TRANSMITTAL For FY 2006 | | Complete if Known | |
| | | Application Number | 09/611,257 |
| | | Filing Date | July 6, 2000 |
| | | First Named Inventor | Terrance P. SNUTCH |
| | | Examiner Name | D. KOLKER |
| | | Art Unit | 1649 |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Attorney Docket No. | 381092000721 |
| TOTAL AMOUNT OF PAYMENT | | (\$) | 180.00 |

| | |
|---|---|
| METHOD OF PAYMENT (check all that apply) | |
| <input type="checkbox"/> Check | <input type="checkbox"/> Credit Card |
| <input type="checkbox"/> Money Order | <input type="checkbox"/> None |
| <input type="checkbox"/> Other (please identify): _____ | |
| <input checked="" type="checkbox"/> Deposit Account | Deposit Account Number: <u>03-1952</u> Deposit Account Name: <u>Morrison & Foerster LLP</u> |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) | |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 | <input checked="" type="checkbox"/> Credit any overpayments |

| | | | | | | | |
|---|---------------------|---|--------------------|----------------------|----------------------------------|-----------------------|-----------------------|
| FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.) | | | | | | | |
| 1. BASIC FILING, SEARCH, AND EXAMINATION FEES | | | | | | | |
| | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | |
| | | Small Entity | | Small Entity | | Small Entity | |
| Application Type | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fee (\$) | Fees Paid (\$) |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 0.00 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | 0.00 |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | 0.00 |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | 0.00 |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | 0.00 |
| 2. EXCESS CLAIM FEES | | | | | | | |
| | | | | | | Small Entity | |
| | | | | | | Fee (\$) | Fee (\$) |
| Each claim over 20 (including Reissues) | | | | | | 50 | 25 |
| Each independent claim over 3 (including Reissues) | | | | | | 200 | 100 |
| Multiple dependent claims | | | | | | 360 | 180 |
| Total Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | | |
| _____ - 20 = _____ | | x _____ | = | 0.00 | Fee (\$) | | Fee Paid (\$) |
| HP = highest number of total claims paid for, if greater than 20. | | | | | | | 0.00 |
| Indep. Claims | | Extra Claims | Fee (\$) | Fee Paid (\$) | | | |
| _____ - 3 = _____ | | x _____ | = | 0.00 | | | |
| HP = highest number of independent claims paid for, if greater than 3. | | | | | | | |
| 3. APPLICATION SIZE FEE | | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | | Fee (\$) | Fee Paid (\$) | | |
| _____ - 100 = _____ | /50 | _____ (round up to a whole number) x _____ | | = | 0.00 | | |
| 4. OTHER FEE(S) | | | | | | | |
| | | | | | | Fees Paid (\$) | |
| Non-English Specification, \$130 fee (no small entity discount) | | | | | | 0.00 | |
| Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement | | | | | | 180.00 | |

| | | | |
|---------------------|--------------------------|-----------------------------------|----------------|
| SUBMITTED BY | | | |
| Signature | <u>Kate H. Murashige</u> | Registration No. (Attorney/Agent) | 29,959 |
| Name (Print/Type) | Kate H. Murashige | Telephone | (858) 720-5112 |
| | | Date | July 18, 2006 |



I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 814074036 US, in an envelope addressed to MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: July 18, 2006

Signature:

Marian Christopher
Marian Christopher

Patent
Docket No. 381092000721

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Terrance P. SNUTCH et al.

Serial No.: 09/611,257

Filing Date: July 6, 2000

For: MAMMALIAN T-TYPE CALCIUM
CHANNELS

Examiner: D. Kolker

Group Art Unit: 1649

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the document listed on the attached Form PTO/SB/08a/b. A copy of the document is also submitted herewith. The Examiner is requested to make this document of record.

07/21/2006 GWORDDF1 00000077 031952 09611257

01 FC:1806 180.00 DA

sd-325106

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☒ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 381092000721.

Dated: July 18, 2006

Respectfully submitted,

By Kate H. Murashige
Kate H. Murashige

Registration No.: 29,959
MORRISON & FOERSTER LLP
12531 High Bluff Drive
Suite 100
San Diego, California 92130-2040
(858) 720-5112



ALTERNATIVE TO PTO/SB/08a/b (07-05)

| | | | | | |
|---|---|----|---|--------------------------|--------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 09/611,257 |
| | | | | Filing Date | July 6, 2000 |
| | | | | First Named Inventor | Terrance P. SNUTCH |
| | | | | Art Unit | 1649 |
| | | | | Examiner Name | D. Kolker |
| Sheet | 1 | of | 1 | Attorney Docket Number | 381092000721 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
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*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | | |
| | 1. | McRORY et al., Journal of Biological Chemistry (2001) 276(6):3999-4011 | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

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